

FIG. 1 is a block diagram of a system for processing records and fields.

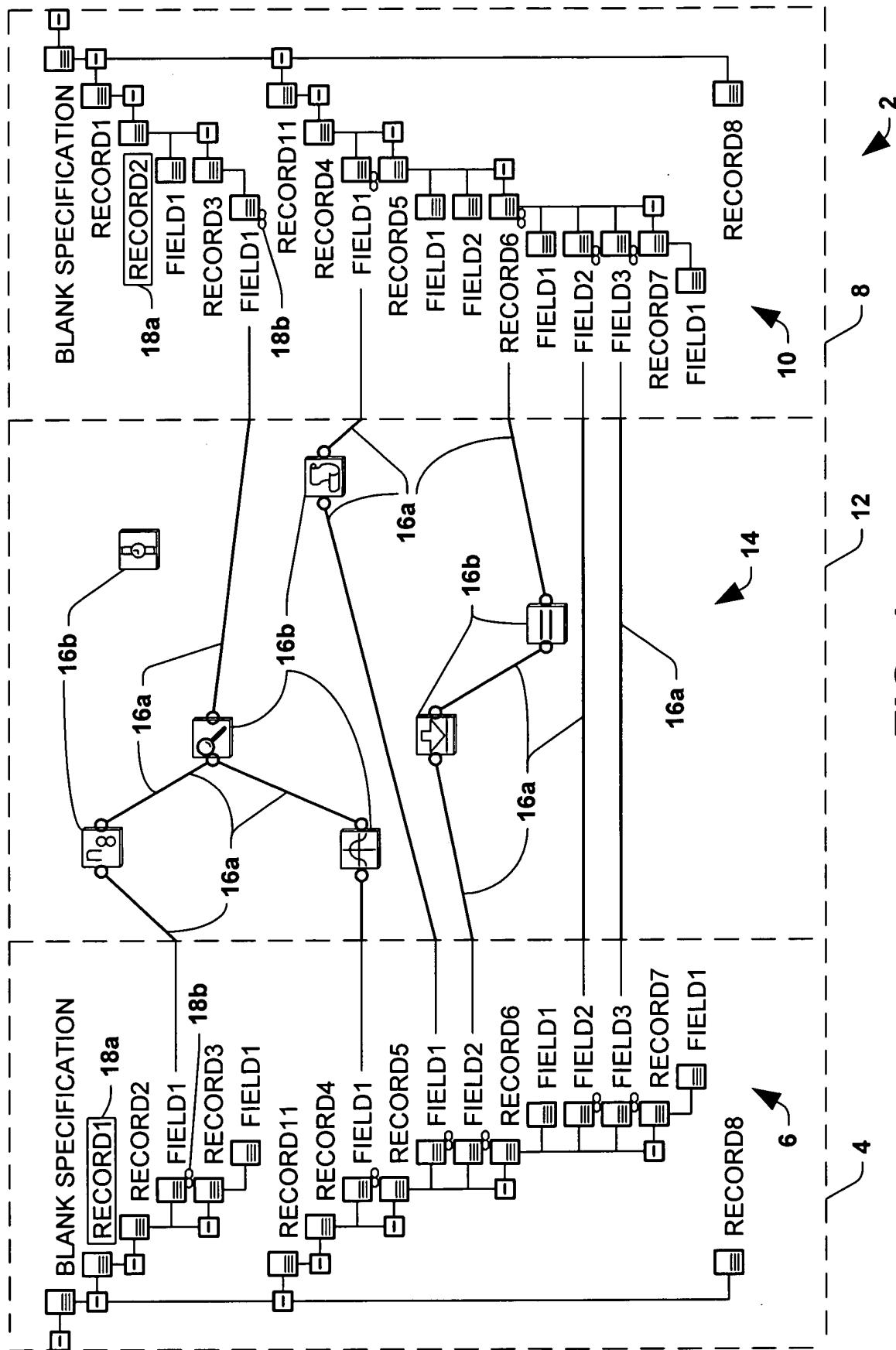


FIG. 1

FIG. 2 is a block diagram of an XSLT engine 20. The XSLT engine 20 receives a source XML document 22 and an XSLT map 28 as input. The XSLT engine 20 processes the source XML document 22 using the XSLT map 28 to generate a target XML document 24.

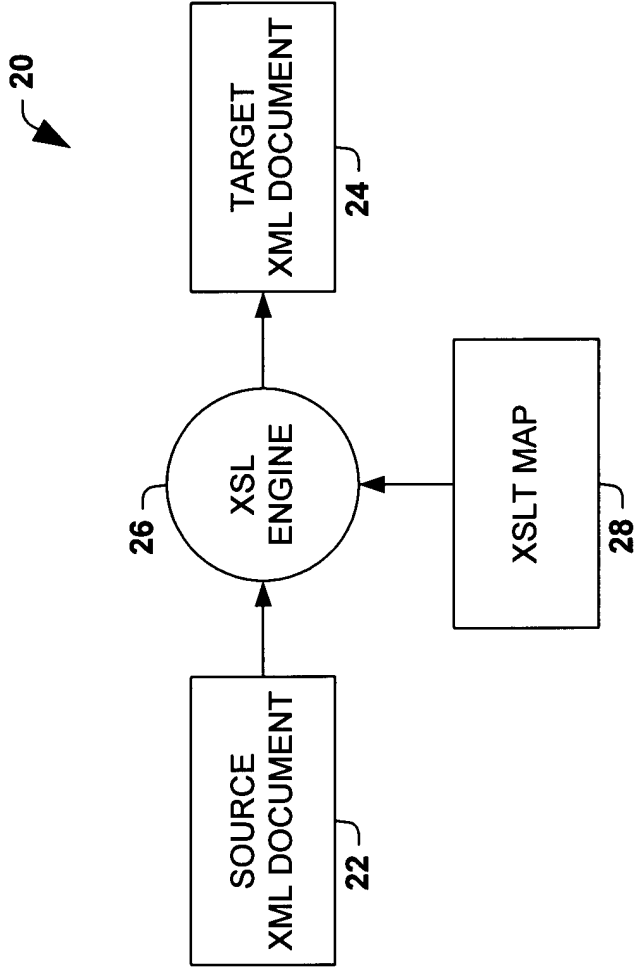


FIG. 2

FIG. 3A is a schematic diagram of a hierarchical structure for a data record. The structure is divided into two main sections by a dashed line. The left section, labeled 4, shows a hierarchy starting with 'BLANK SPECIFICATION' (18a) at the top, followed by 'RECORD1', 'RECORD2', 'FIELD1', 'RECORD3', 'FIELD1', 'RECORD11', 'RECORD4', 'FIELD1', 'RECORD5', 'FIELD1', 'FIELD2', 'RECORD6', 'FIELD1', 'FIELD2', 'FIELD3', 'RECORD7', 'FIELD1', and 'RECORD8'. The right section, labeled 6, shows a similar hierarchy starting with 'BLANK SPECIFICATION' (18a) at the top, followed by 'RECORD1', 'RECORD2', 'FIELD1', 'RECORD3', 'FIELD1', 'RECORD11', 'RECORD4', 'FIELD1', 'RECORD5', 'FIELD1', 'FIELD2', 'RECORD6', 'FIELD1', 'FIELD2', 'FIELD3', 'RECORD7', 'FIELD1', and 'RECORD8'. The right section is also labeled 12. The entire diagram is labeled 2.

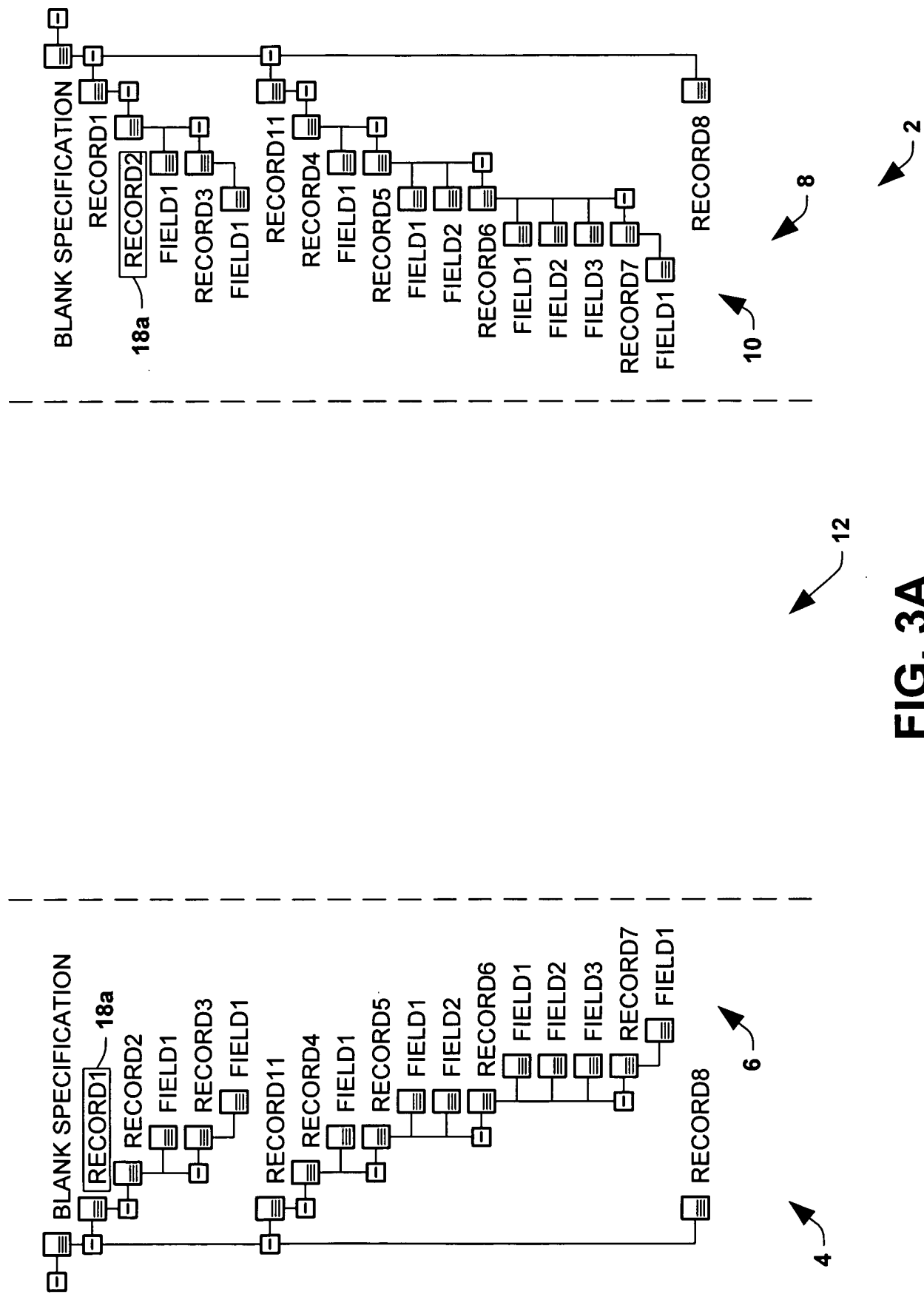


FIG. 3A

FIG. 3B is a schematic diagram of a device 2, showing a top view of a rectangular structure 4. The structure 4 is divided into three vertical sections by dashed lines 8. The leftmost section is labeled 12, the middle section is labeled 30, and the rightmost section is labeled 32. The device 2 is indicated by an arrow pointing to the right.

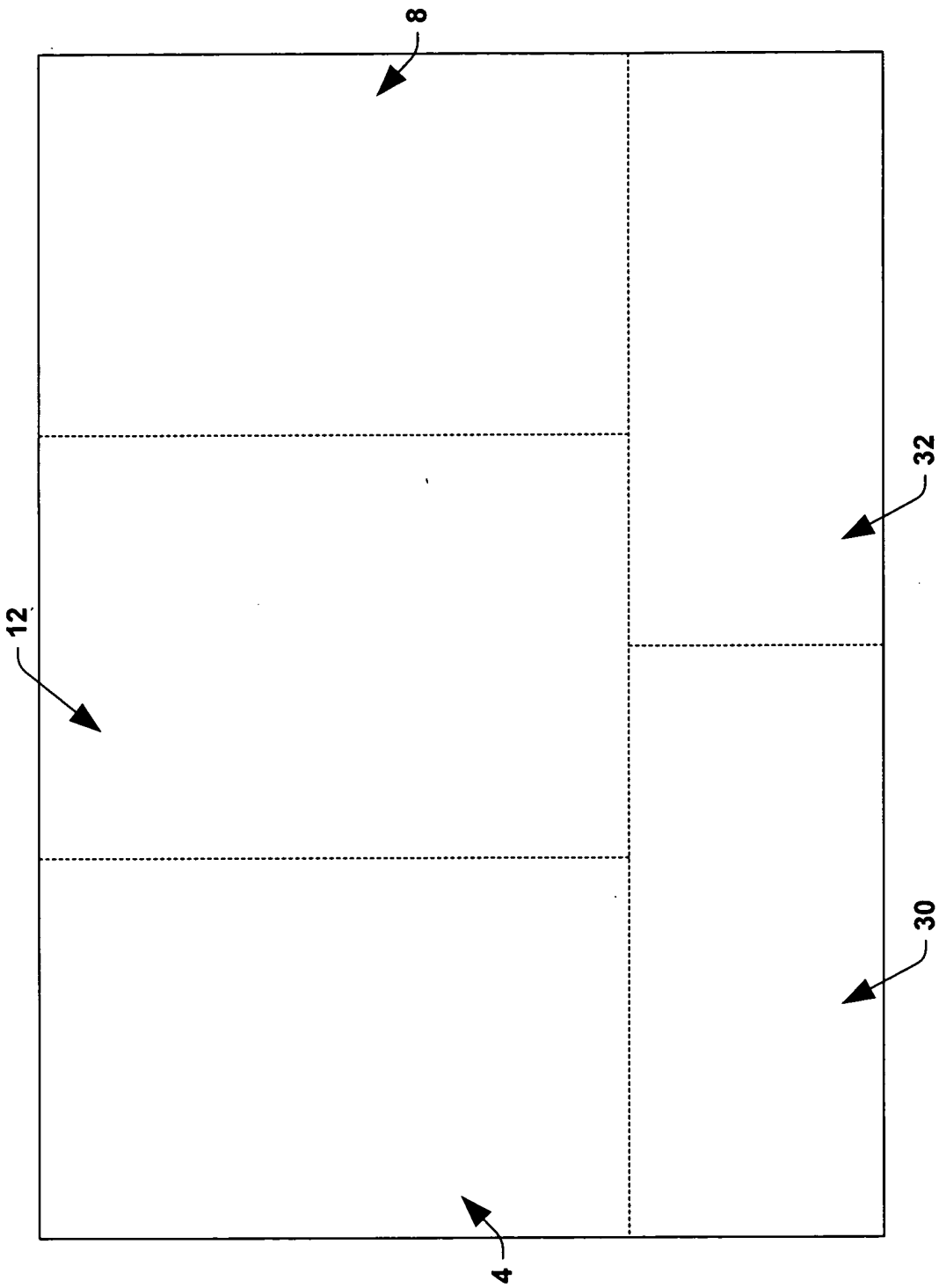


FIG. 3B

FIG. 3C is a schematic diagram of a data structure for a record.

Properties		Values	Output
Source Attributes			
Property	Value	Property	Value
Name	RECORD1	Name	RECORD2
Description		Description	
Type	Element	Type	Element
Model	Closed	Model	Closed
Content	Element Only	Content	Element Only
Min Occurs		Min Occurs	
Max Occurs		Max Occurs	
▽		▽	

34

36

FIG. 3C

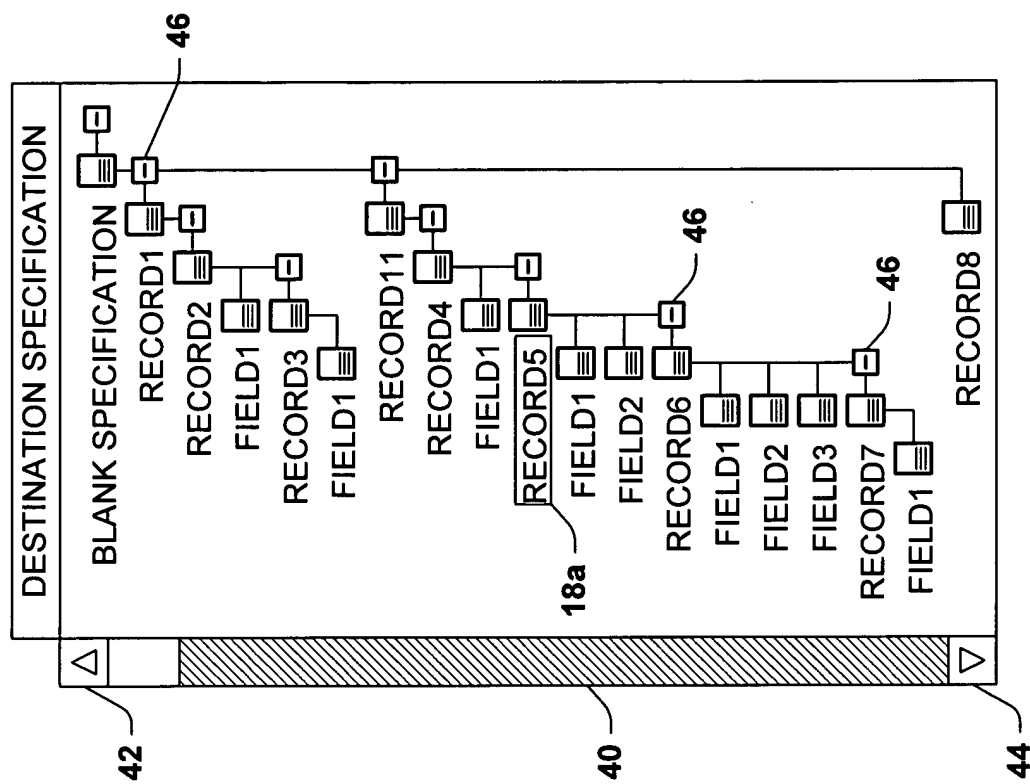
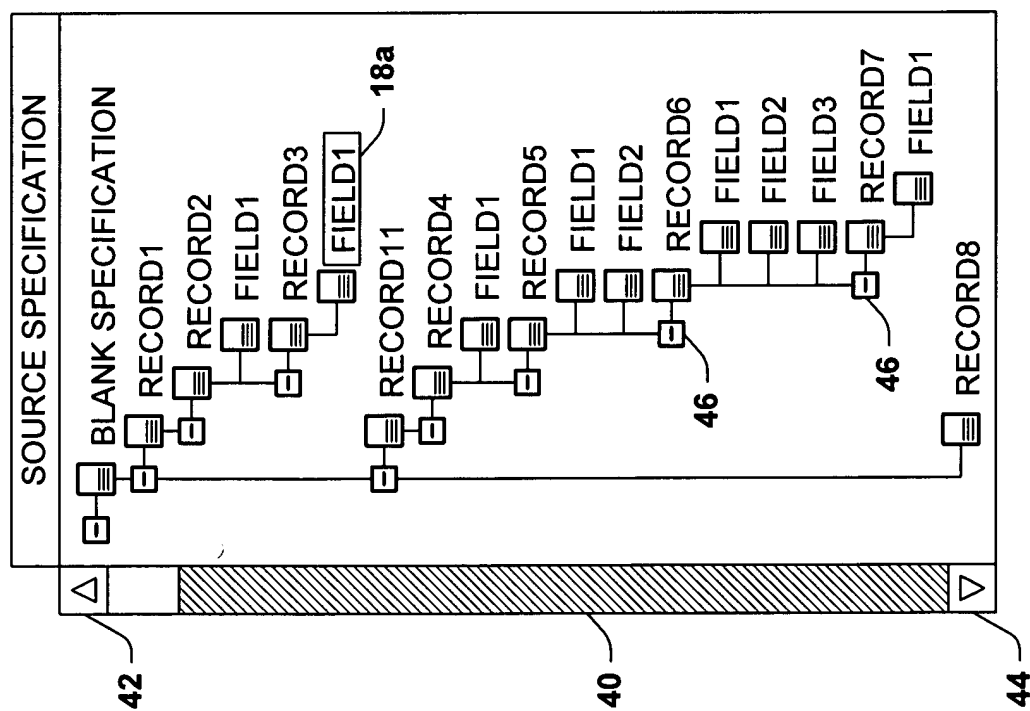


FIG. 5 is a block diagram of a system for processing data records.

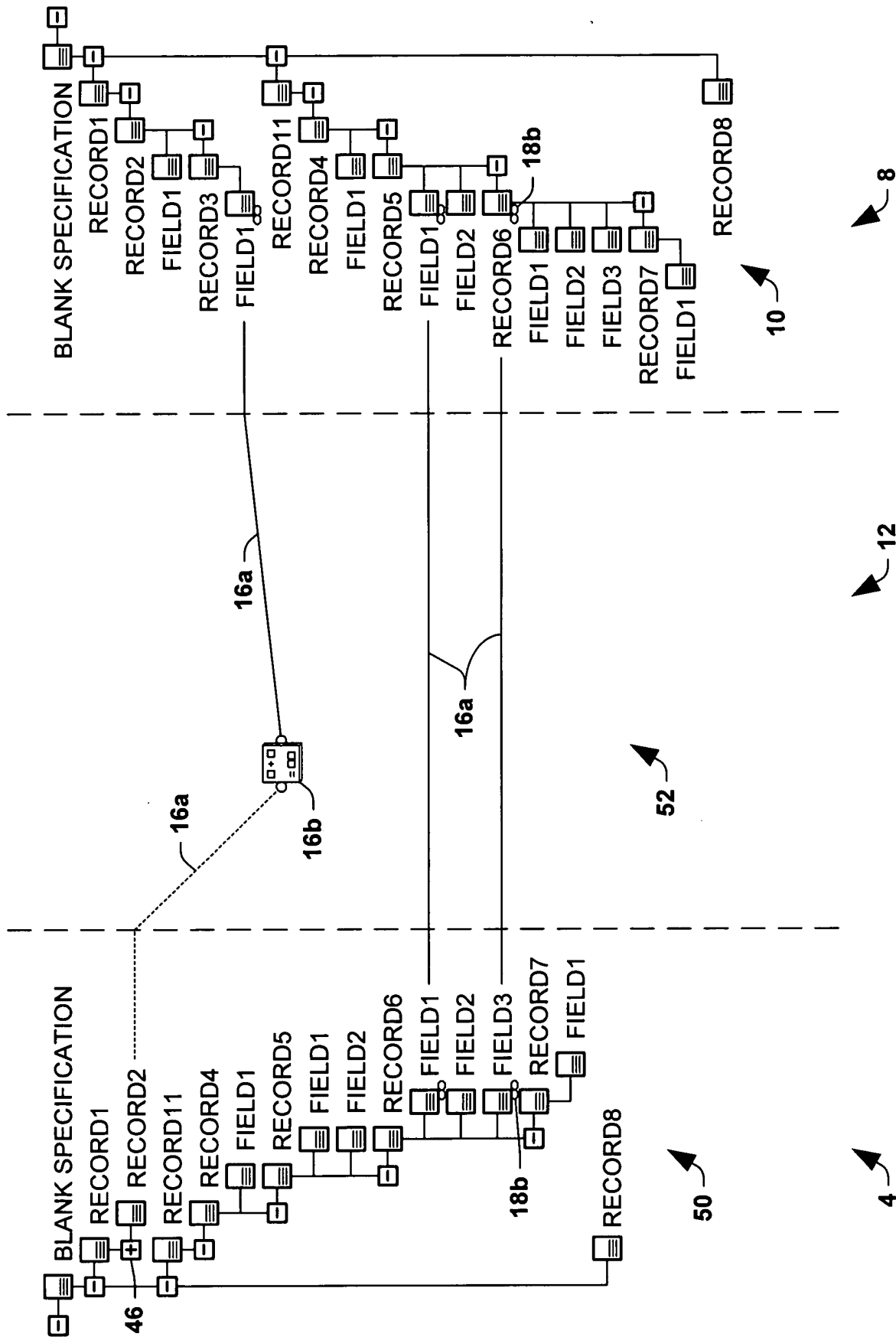


FIG. 5

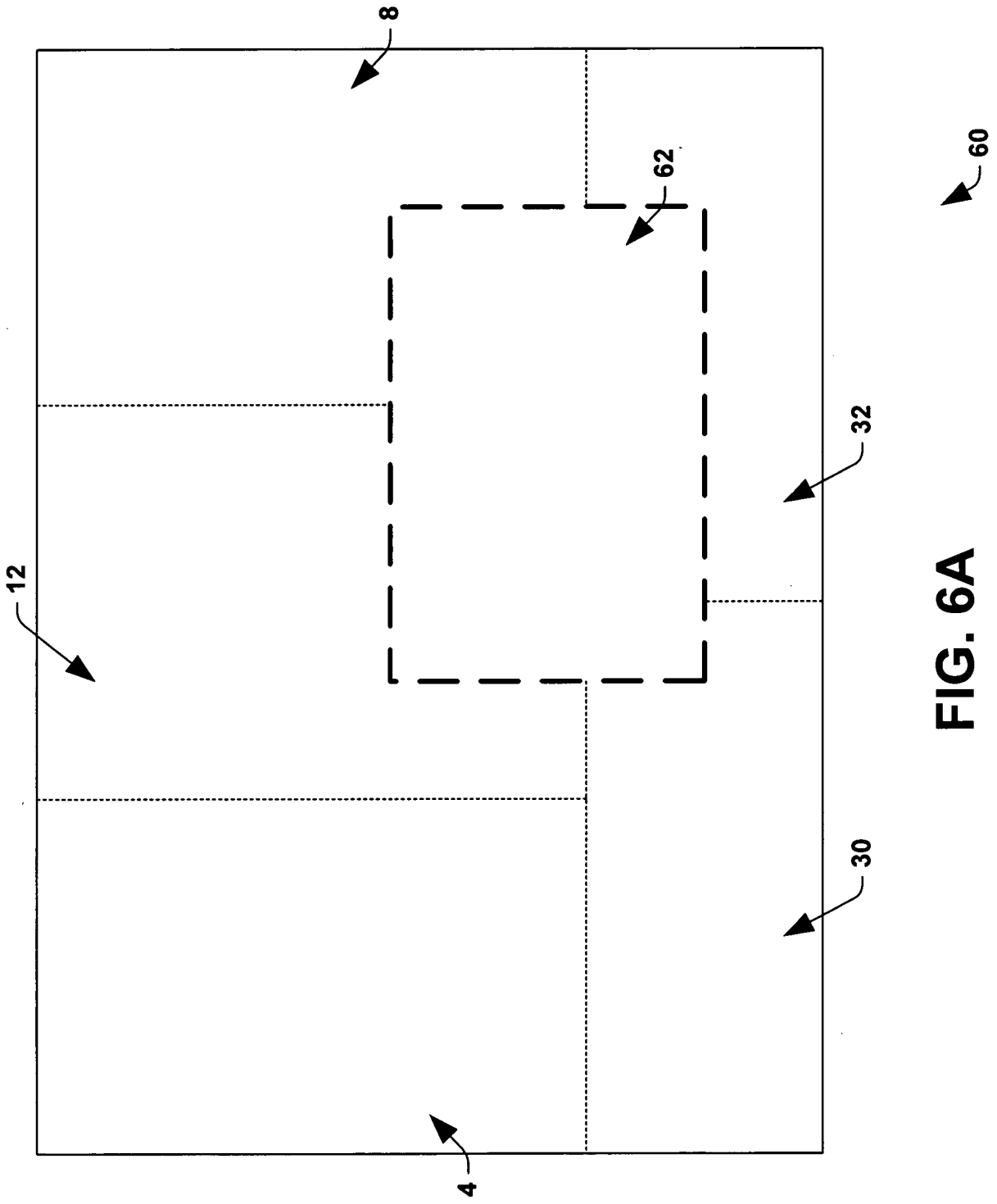
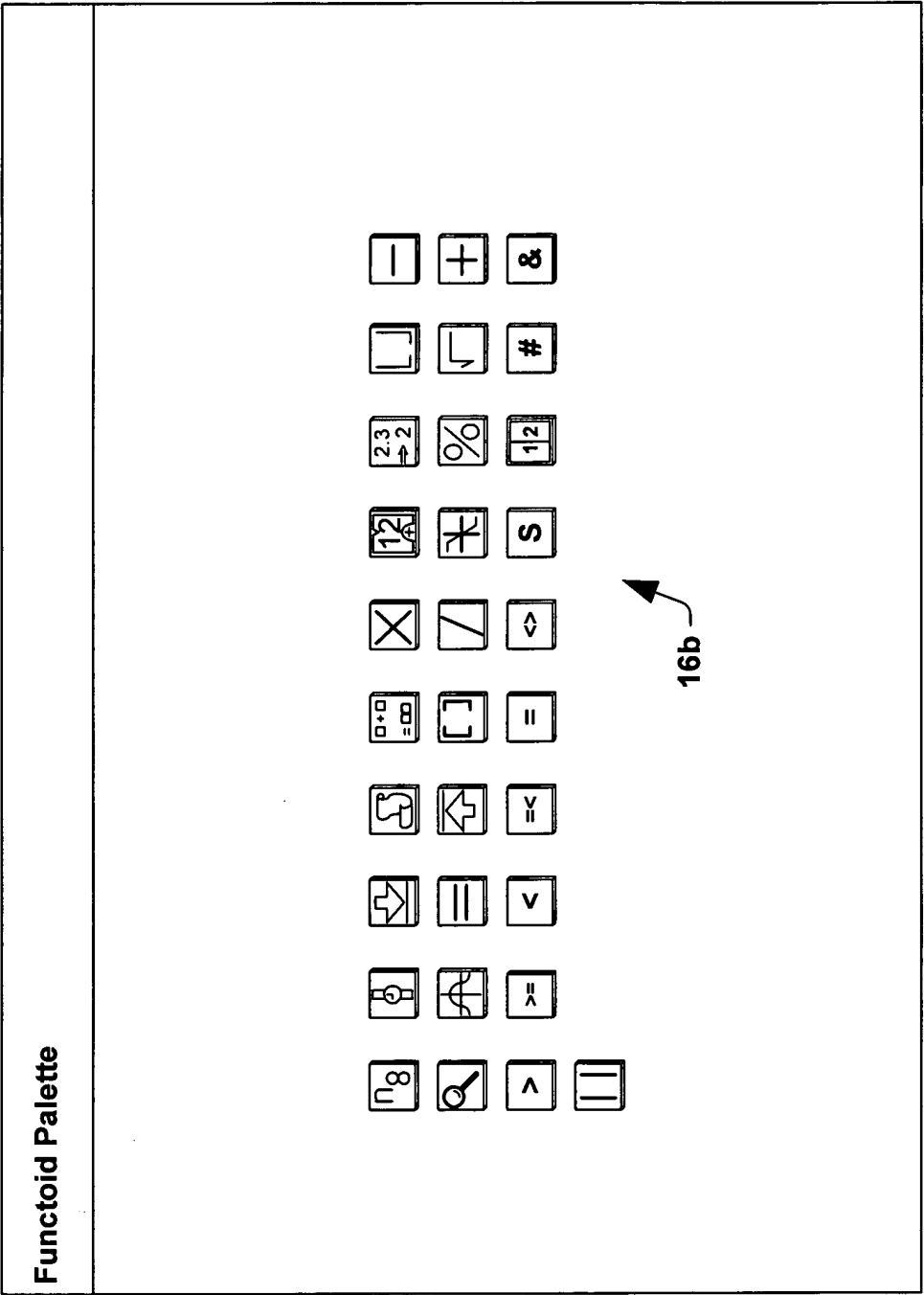


FIG. 6A

FIG. 6A is a schematic diagram of a functional palette 60. The palette 60 is a rectangular frame containing a grid of icons. The icons are arranged in four rows and eight columns. The first row contains icons for a ruler, a pencil, an eraser, a highlighter, a text tool, a selection tool, a zoom tool, and a pan tool. The second row contains icons for a line tool, a rectangle tool, a rounded rectangle tool, an ellipse tool, a polygon tool, a star tool, a cloud tool, and a freeform tool. The third row contains icons for a lasso tool, a magic wand tool, a bucket fill tool, a gradient fill tool, a pattern fill tool, a stroke tool, a fill tool, and a stroke and fill tool. The fourth row contains icons for a fill and stroke tool, a fill tool, a stroke tool, a fill and stroke tool, a fill tool, a stroke tool, a fill and stroke tool, and a fill tool.



64

FIG. 6B

FIG. 6C is a schematic diagram of a function palette 66. The function palette 66 is a graphical user interface element that provides a set of functions for a user to select and apply to a document. The function palette 66 is divided into a header section and a main section. The header section contains a close button 68 and a search button 70. The main section is divided into four categories: Mathematical, Logical, Date, and Conversion. Each category contains a set of icons representing the functions available in that category. The Mathematical category includes icons for square root, cube root, power, percentage, and division. The Logical category includes icons for AND, OR, NOT, and XOR. The Date category includes icons for Today, Tomorrow, and Yesterday. The Conversion category includes icons for units of measurement. The function palette 66 is shown in a window 64.

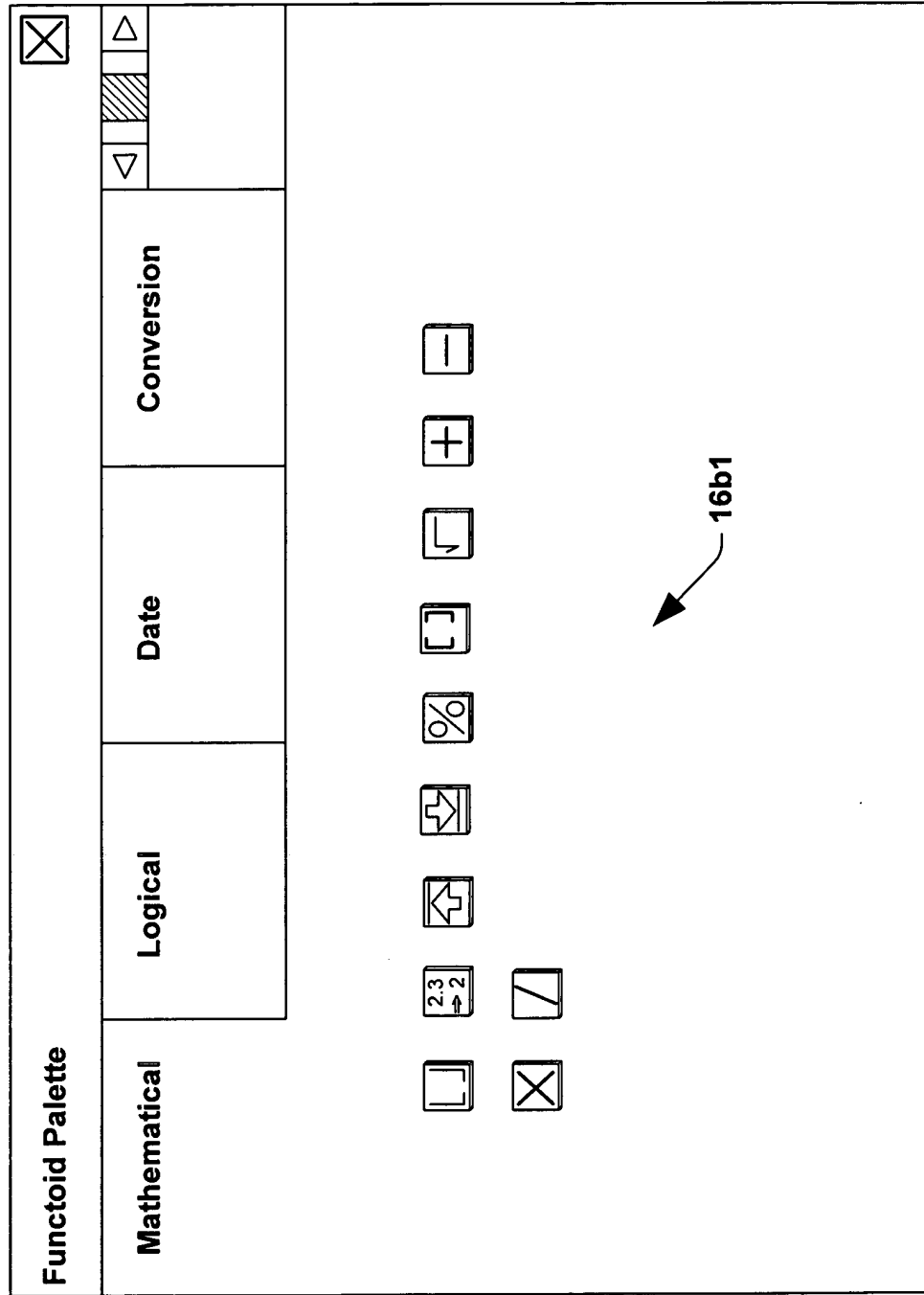


FIG. 6C

FIG. 6D

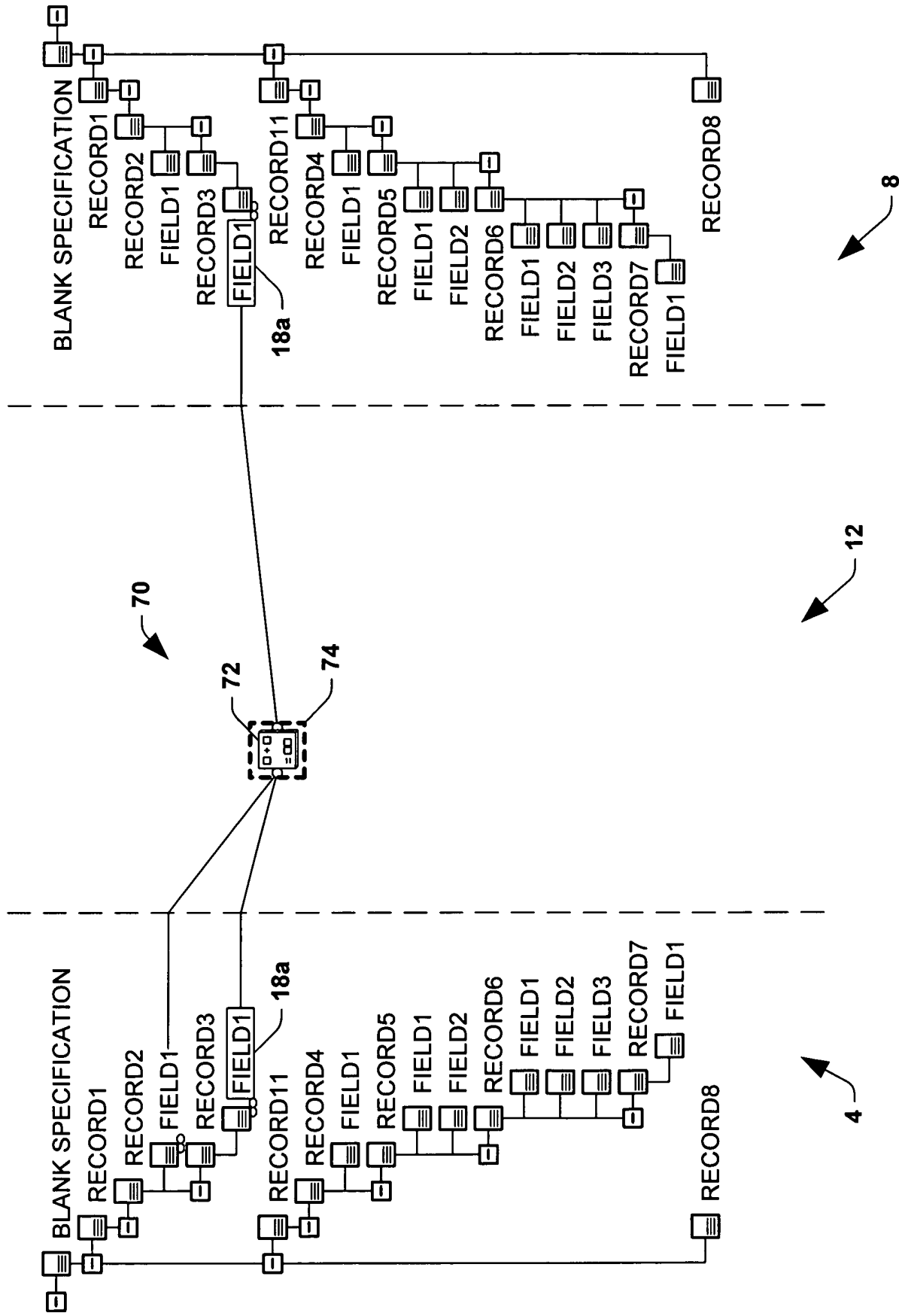


FIG. 7A

FIG. 7B is a top view of a device 800, showing a rectangular frame 802 and a central rectangular region 804. The frame 802 is defined by a dashed line, and the central region 804 is defined by a solid line. The device 800 is shown in a perspective view, with a top surface 806 and a bottom surface 808. The device 800 is shown in a perspective view, with a top surface 806 and a bottom surface 808.

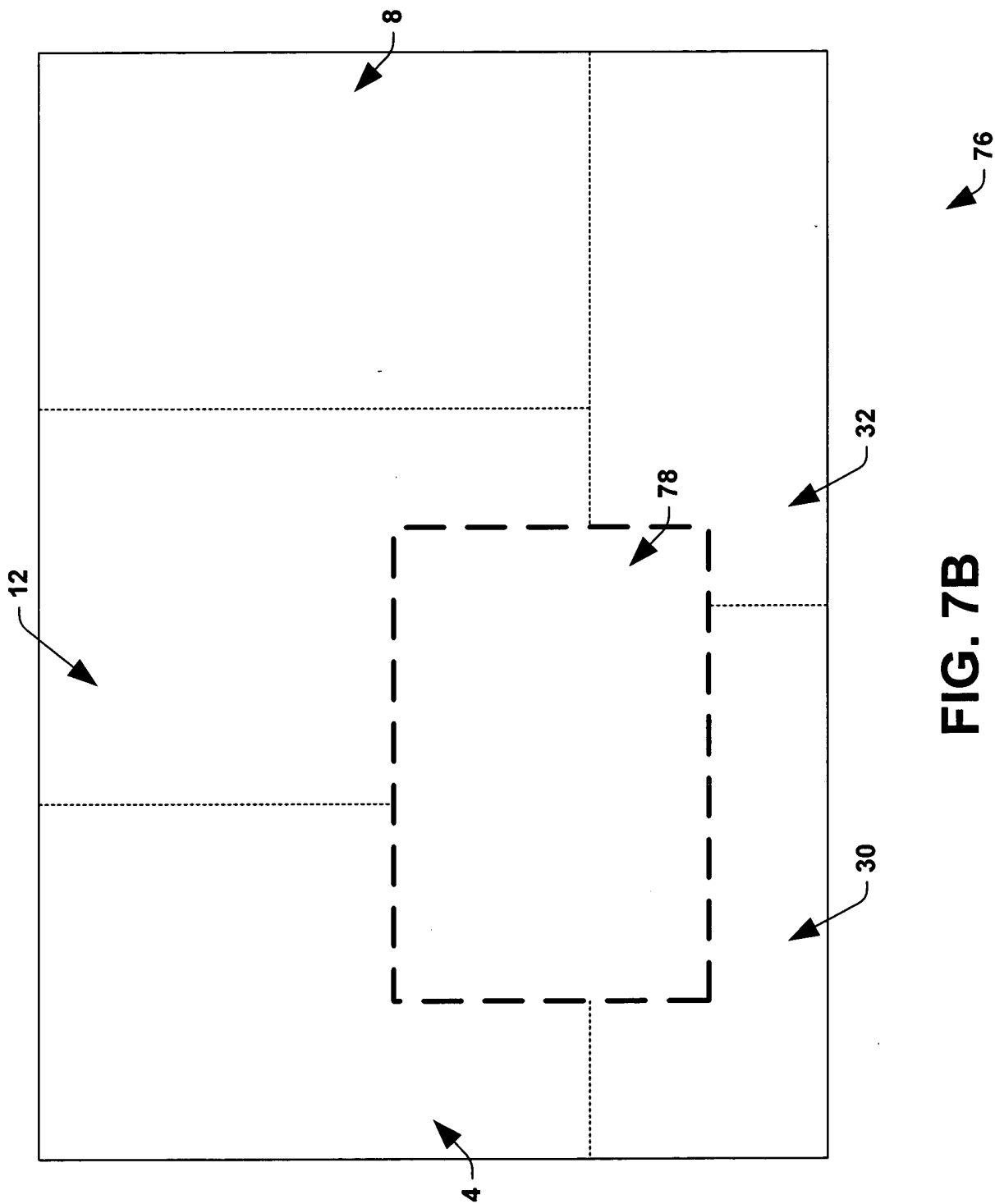


FIG. 7B

?

×

Funcoid Properties

General	Script
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Funcoid Script

Function FctStringConcat3(p_strParm0, p_strParm1, p_strParm2)
FctStringConcat3 = p_strParm0 + p_strParm1 + p_strParm2
End Function

OK

Cancel

FIG. 7D

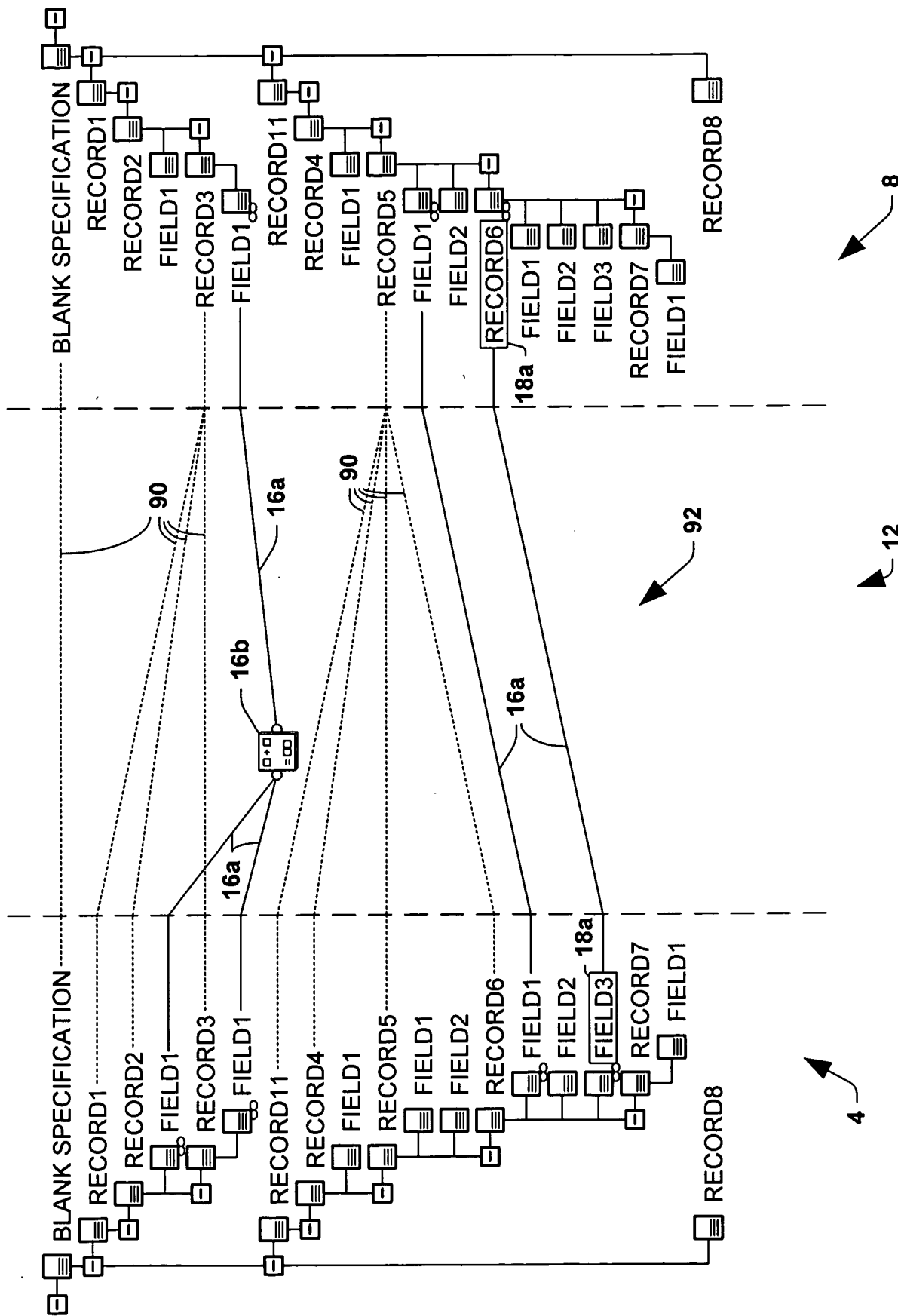


FIG. 8A

FIG. 8B is a schematic diagram of a device 2 in a folded state, showing a top view of the device. The device 2 is shown in a rectangular shape, with a dashed line 8 indicating a fold line. The device 2 is divided into two main sections, 4 and 12, by a dashed line 8. The top section 4 is further divided into two sub-sections, 30 and 32, by a dashed line 94. The bottom section 12 is also divided into two sub-sections, 30 and 32, by a dashed line 94. The device 2 is shown in a folded state, with the top section 4 folded over the bottom section 12.

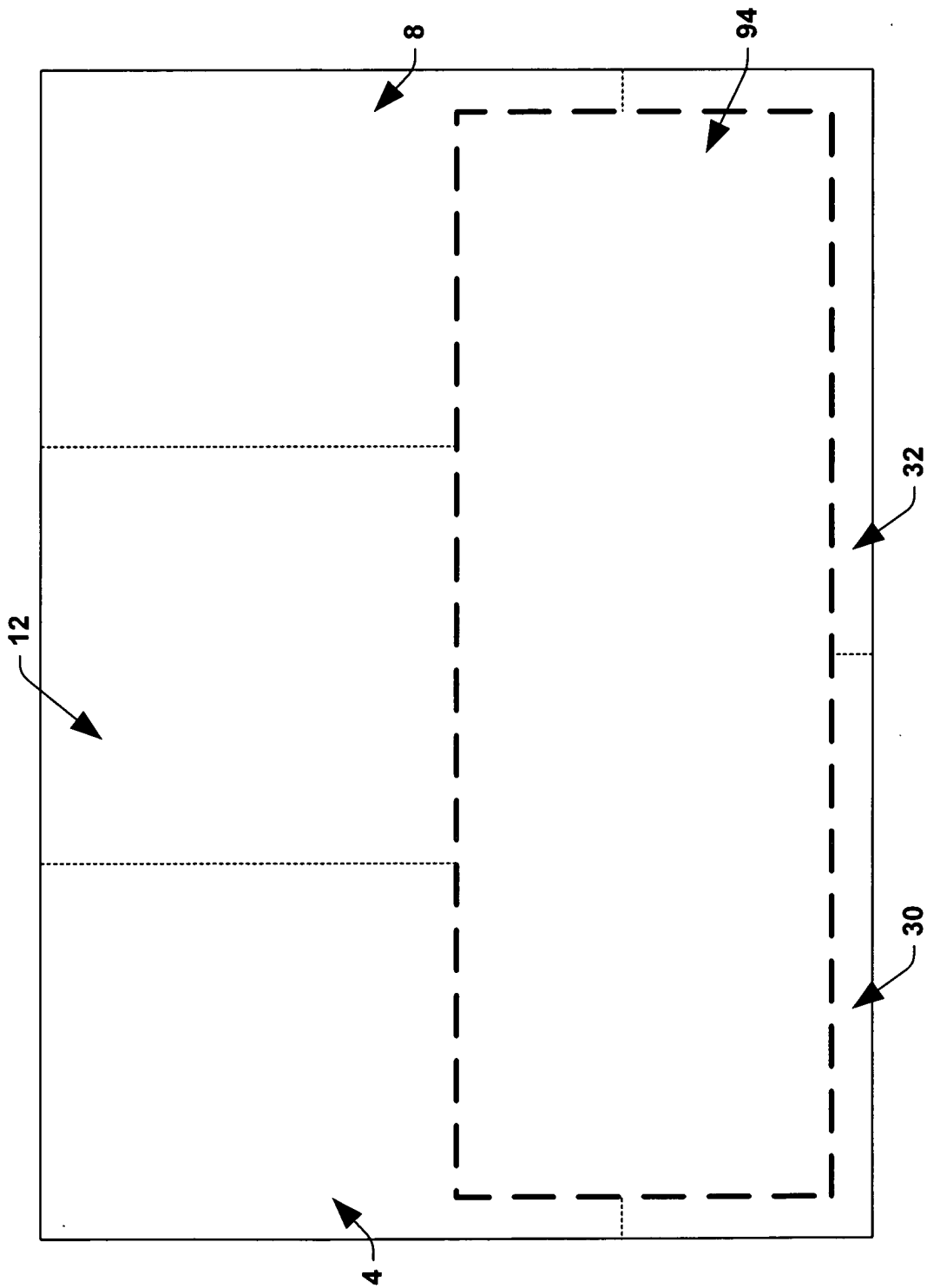


FIG. 8B

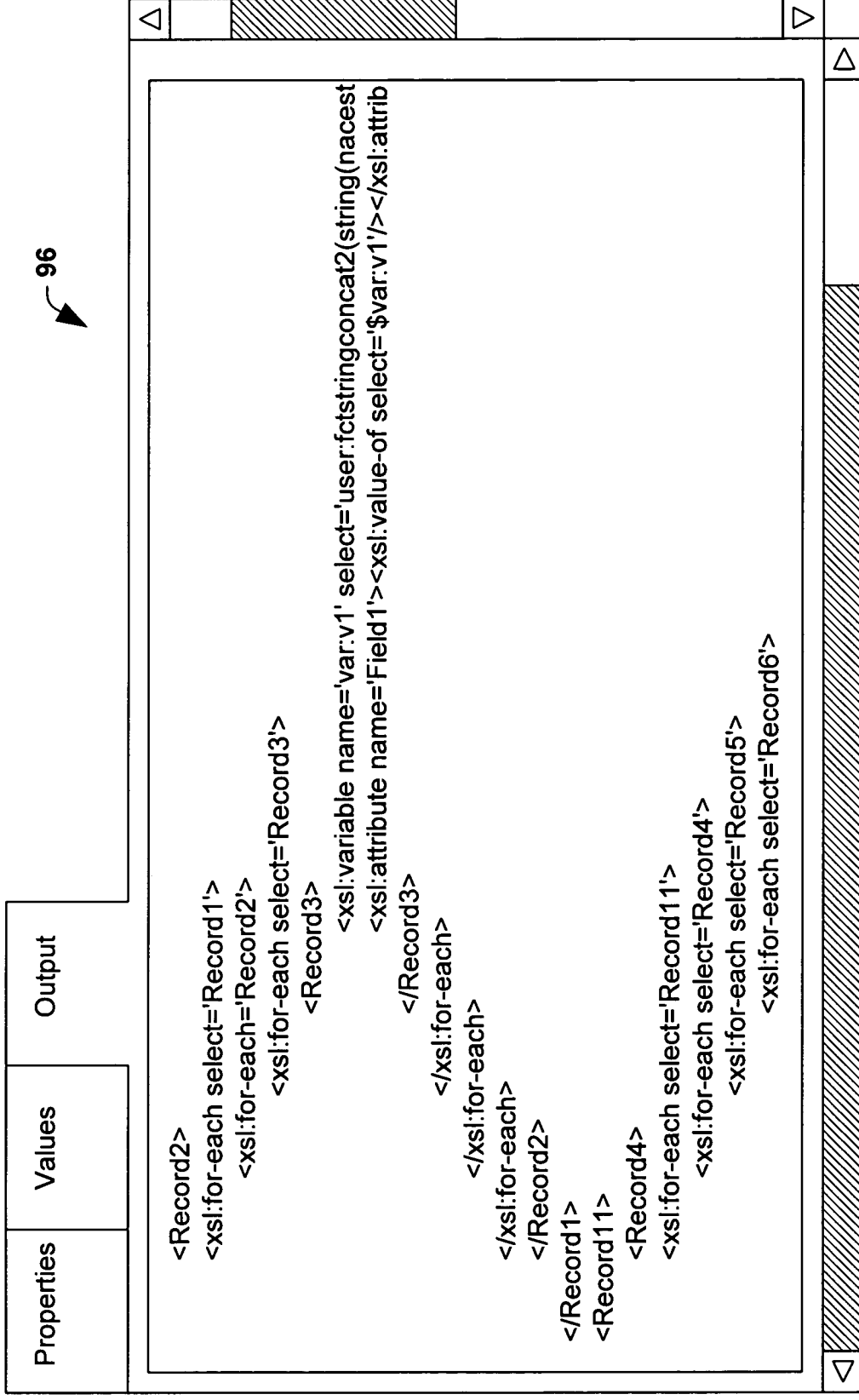


FIG. 8C

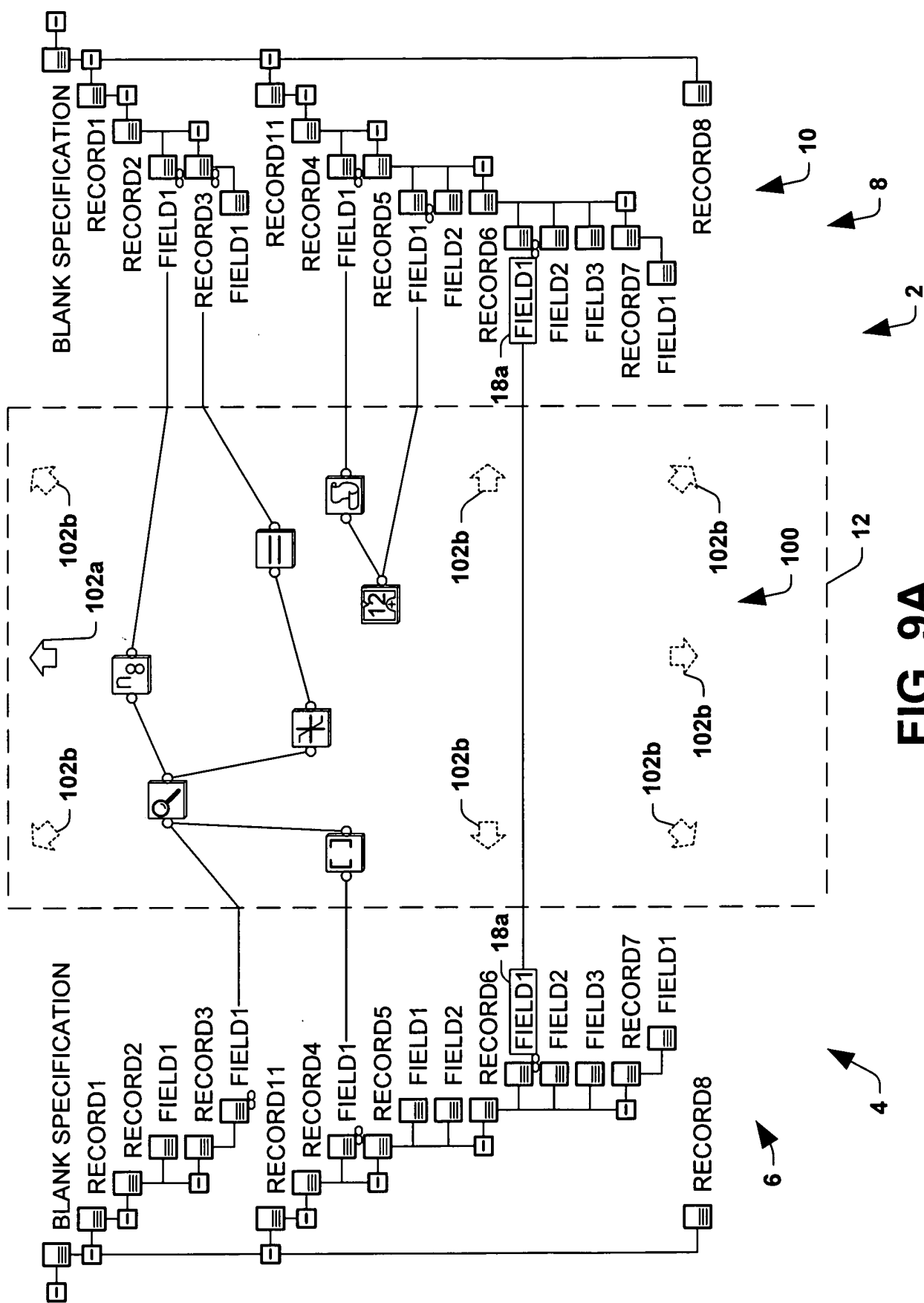


FIG. 9B is a schematic diagram of a device 2 in a perspective view.

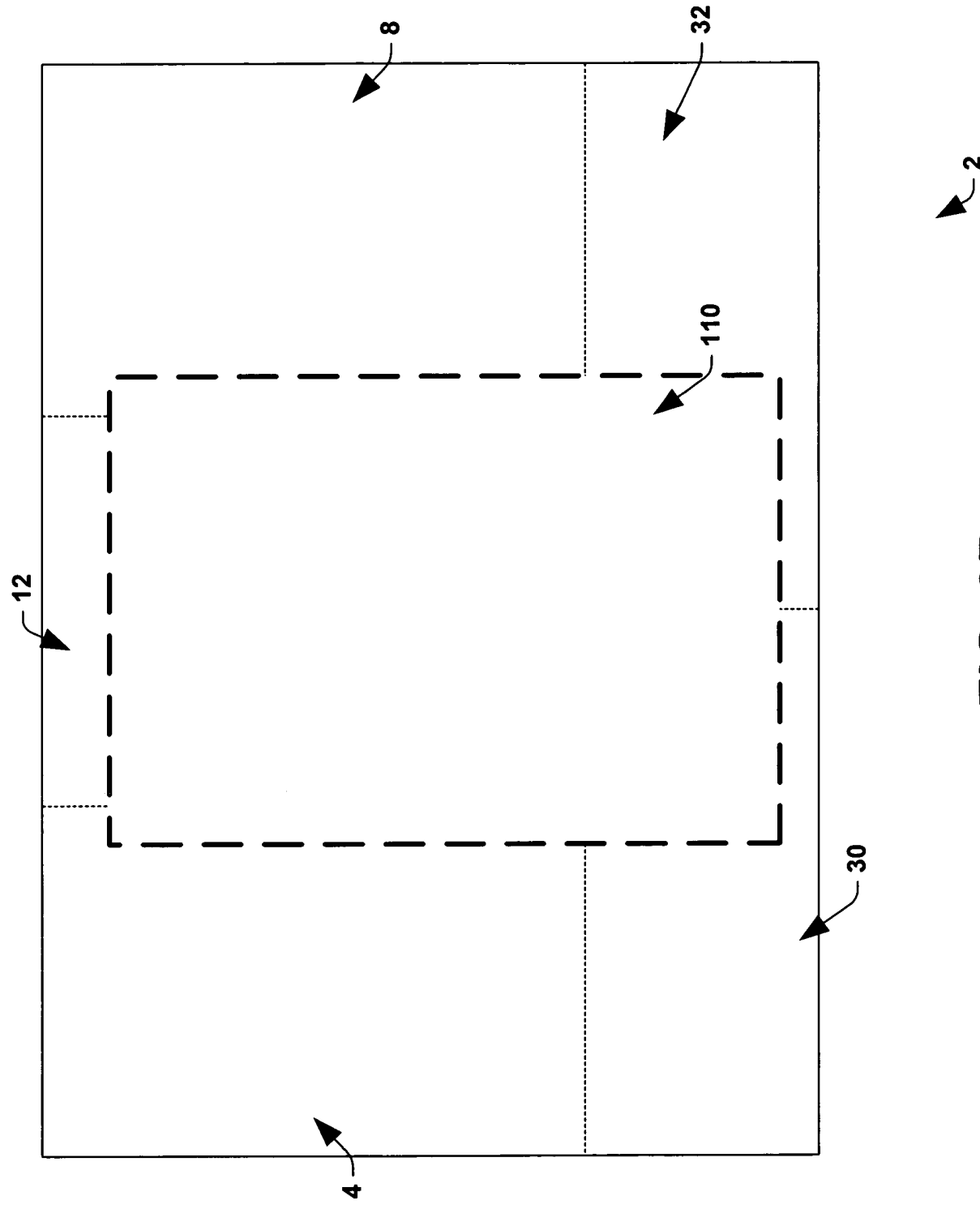


FIG. 9B

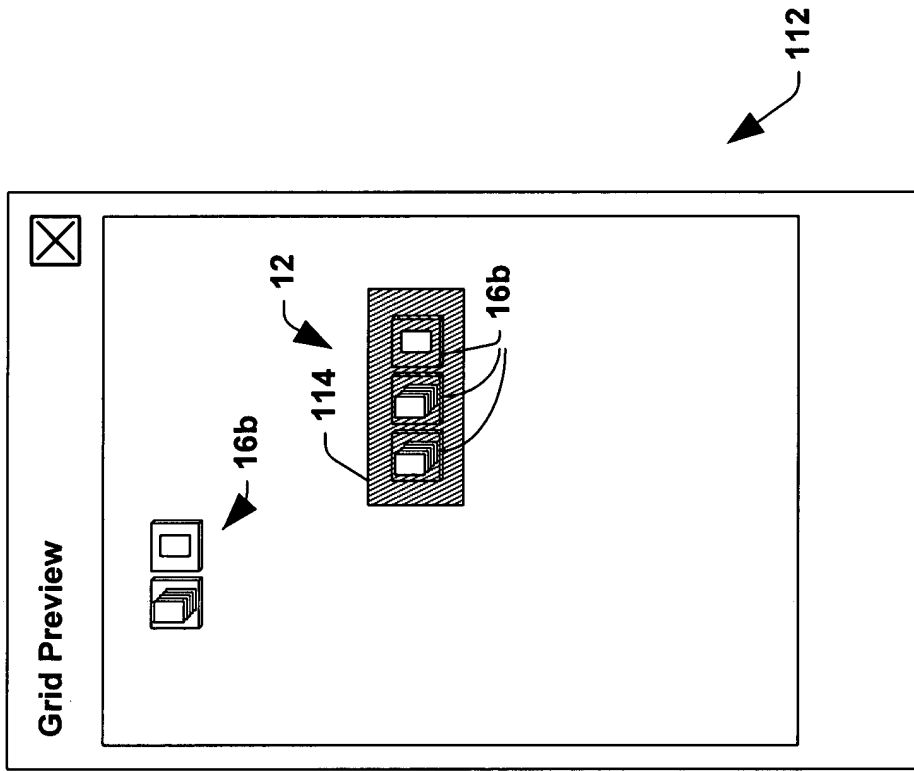


FIG. 9C

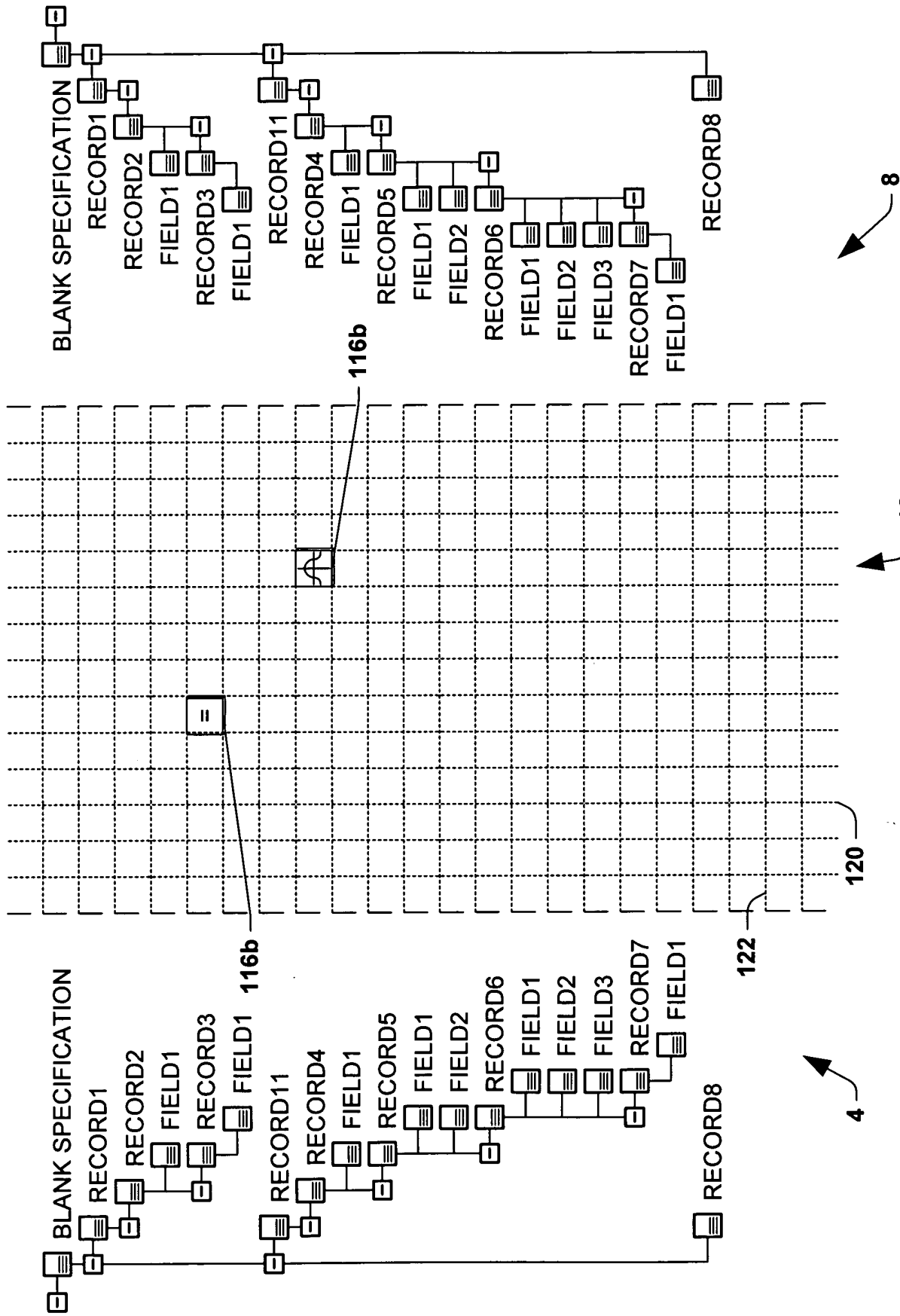


FIG. 9D

FIG. 10A is a schematic diagram of a data structure 4, illustrating a hierarchical organization of records and fields. The structure is divided into two main sections by a vertical dashed line 12. The left section, labeled 4, contains a 'BLANK SPECIFICATION' and a series of records (RECORD1, RECORD2, RECORD3, RECORD4, RECORD5, RECORD6, RECORD7, RECORD8) and fields (FIELD1, FIELD2, FIELD3). The right section, labeled 8, contains a similar hierarchy. A central processing unit 140 is shown, which includes a search icon 142 and a magnifying glass icon 144. A box 18a is also present, containing a list of records and fields. Arrows indicate the flow of data and the relationship between the various components.

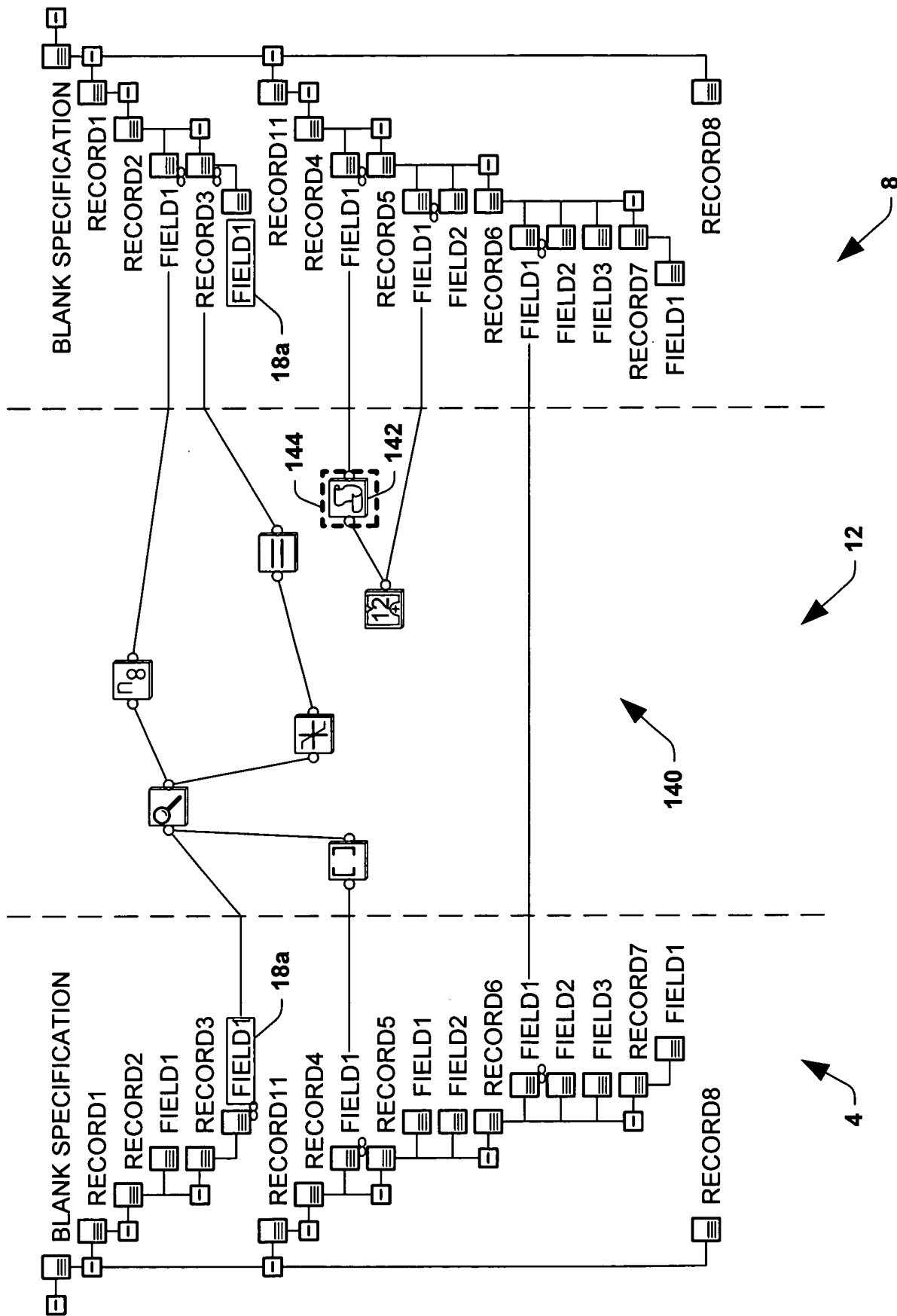


FIG. 10A

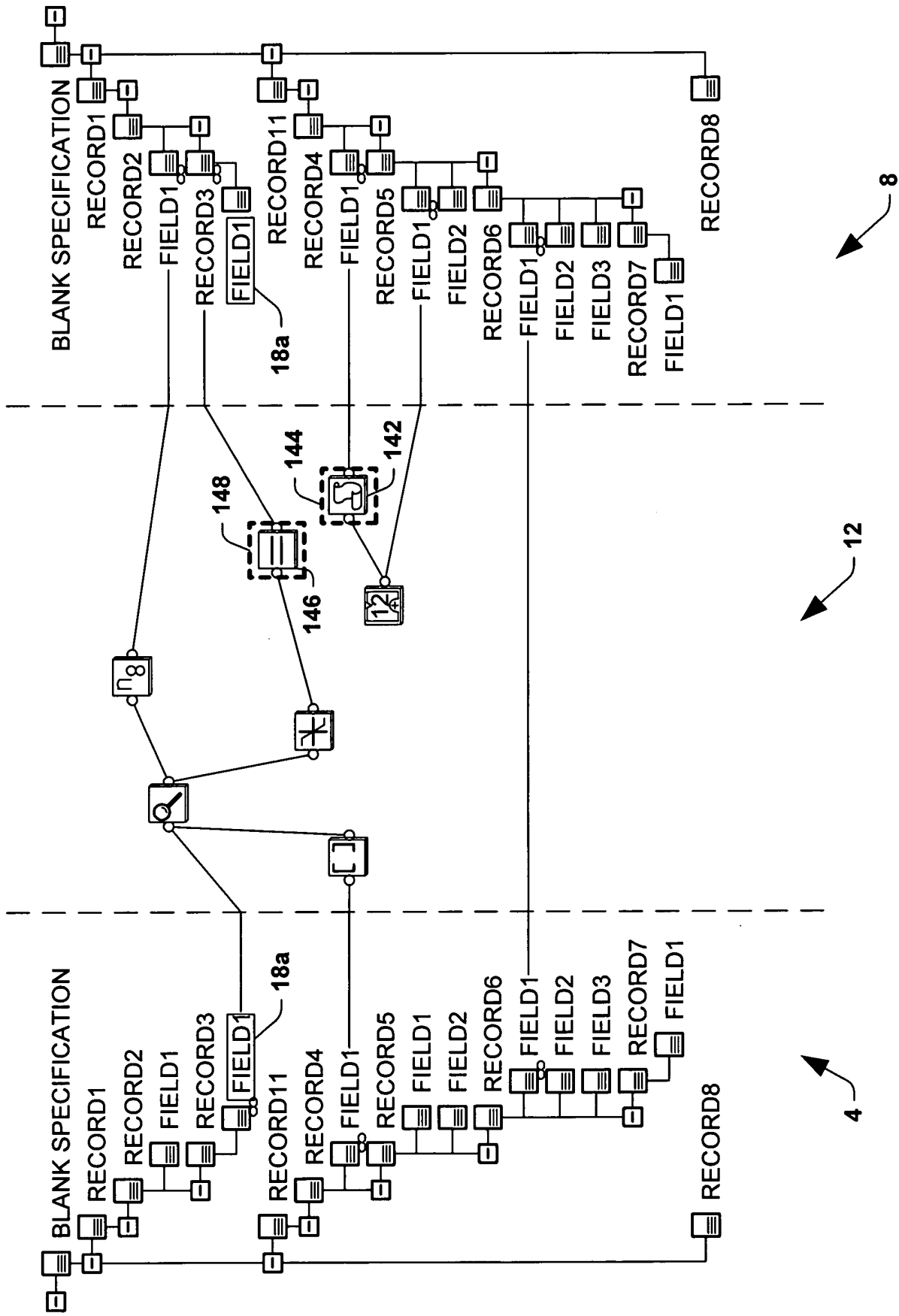


FIG. 10B

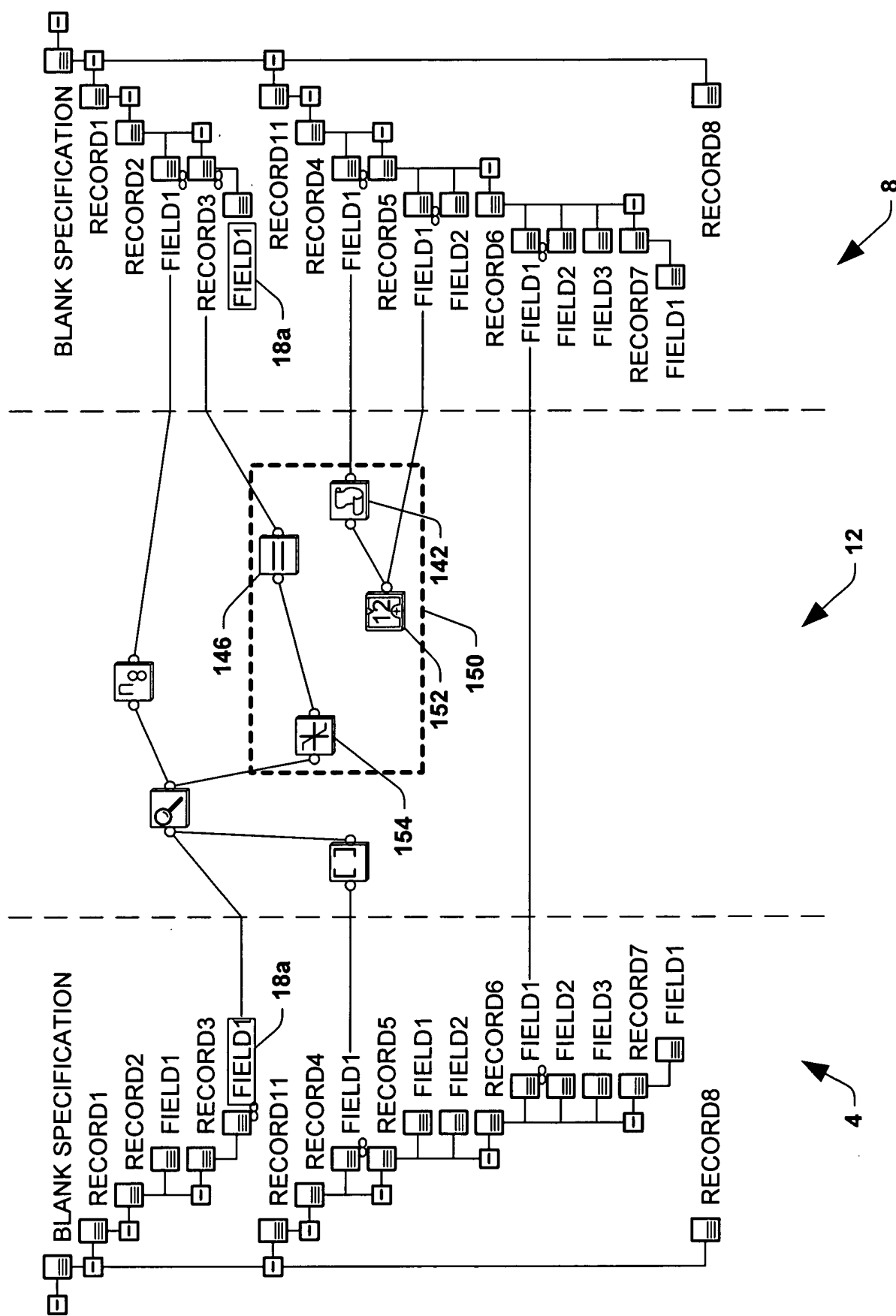


FIG. 10C

FIG. 10D

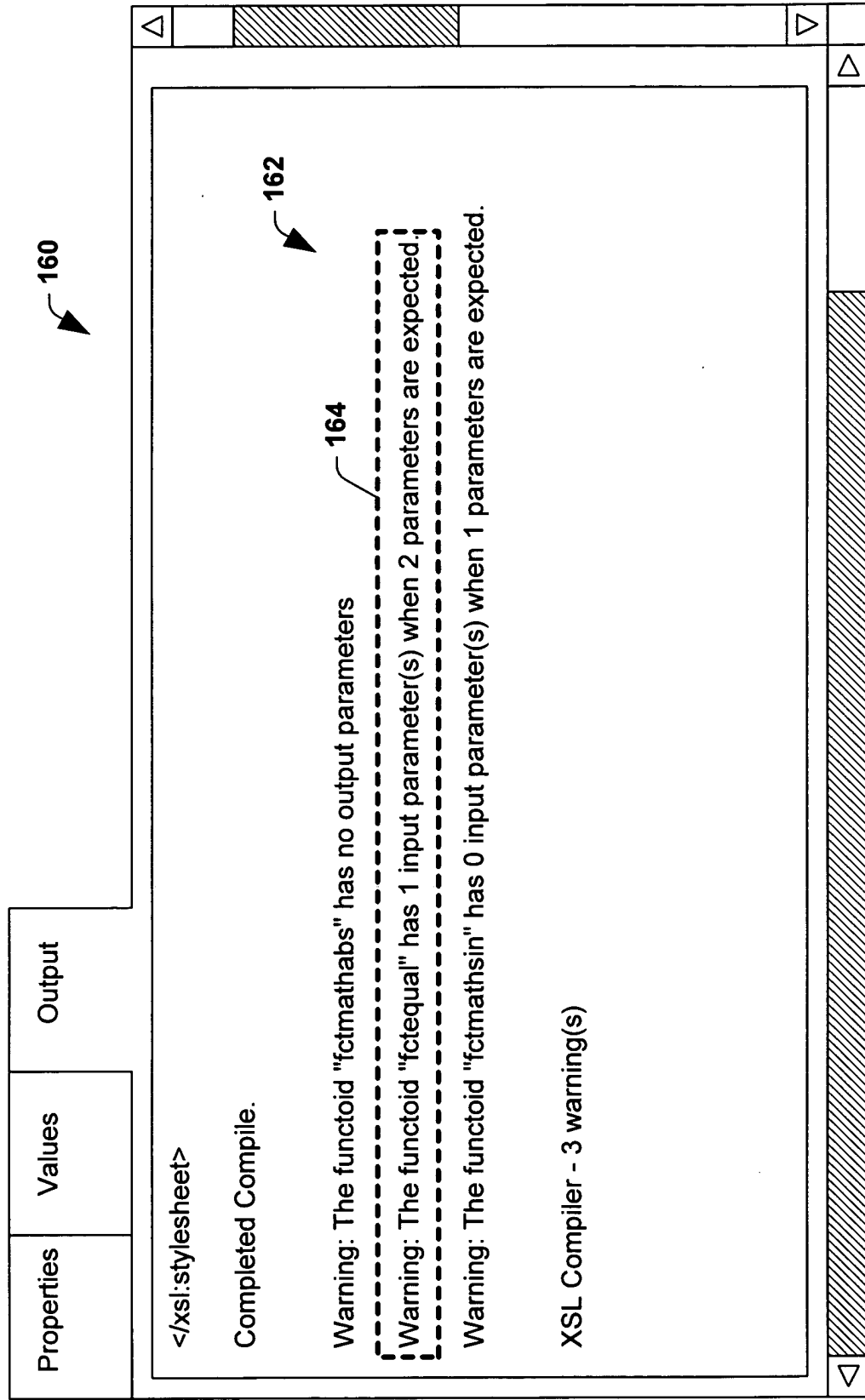


FIG. 11A

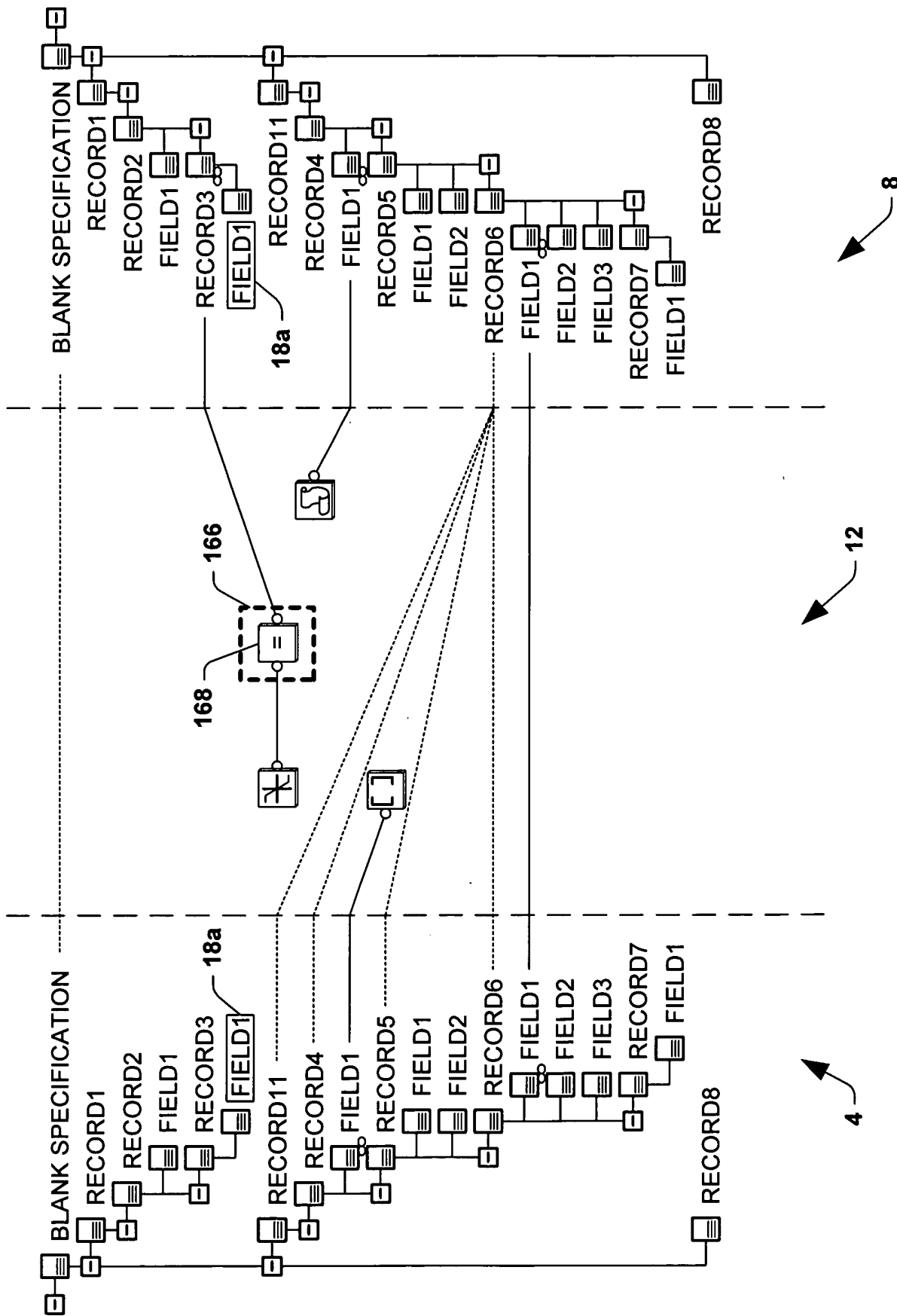


FIG. 11B

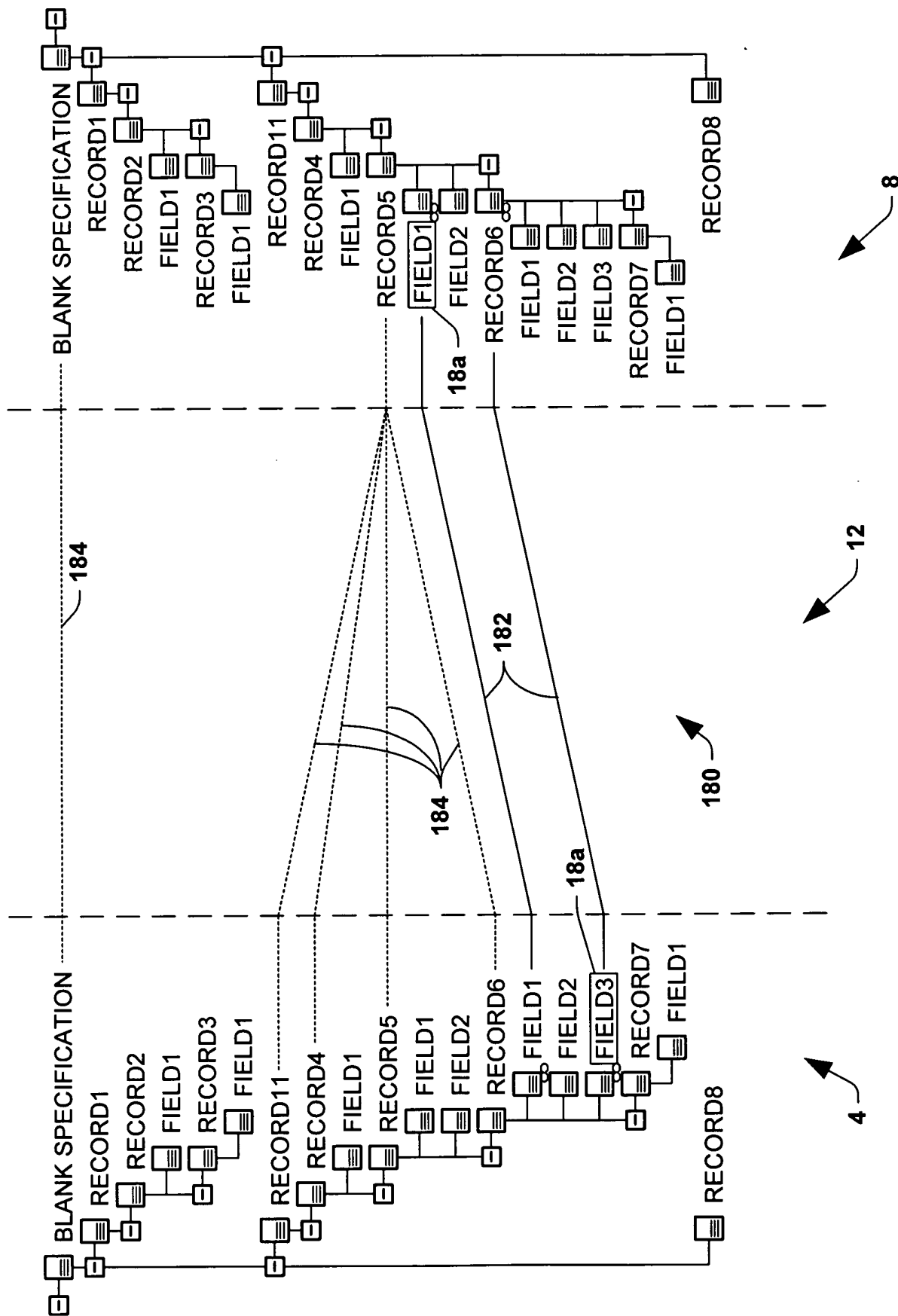


FIG. 12A

FIG. 12C is a schematic diagram of a user interface for a test system, showing a window with a title bar and a menu bar. The window contains a main area with a text input field and a button. The text input field is labeled "Source Test Value" and contains the text "Good Evening". The button is labeled "Destination constant value". The window is identified by the reference numeral 188.

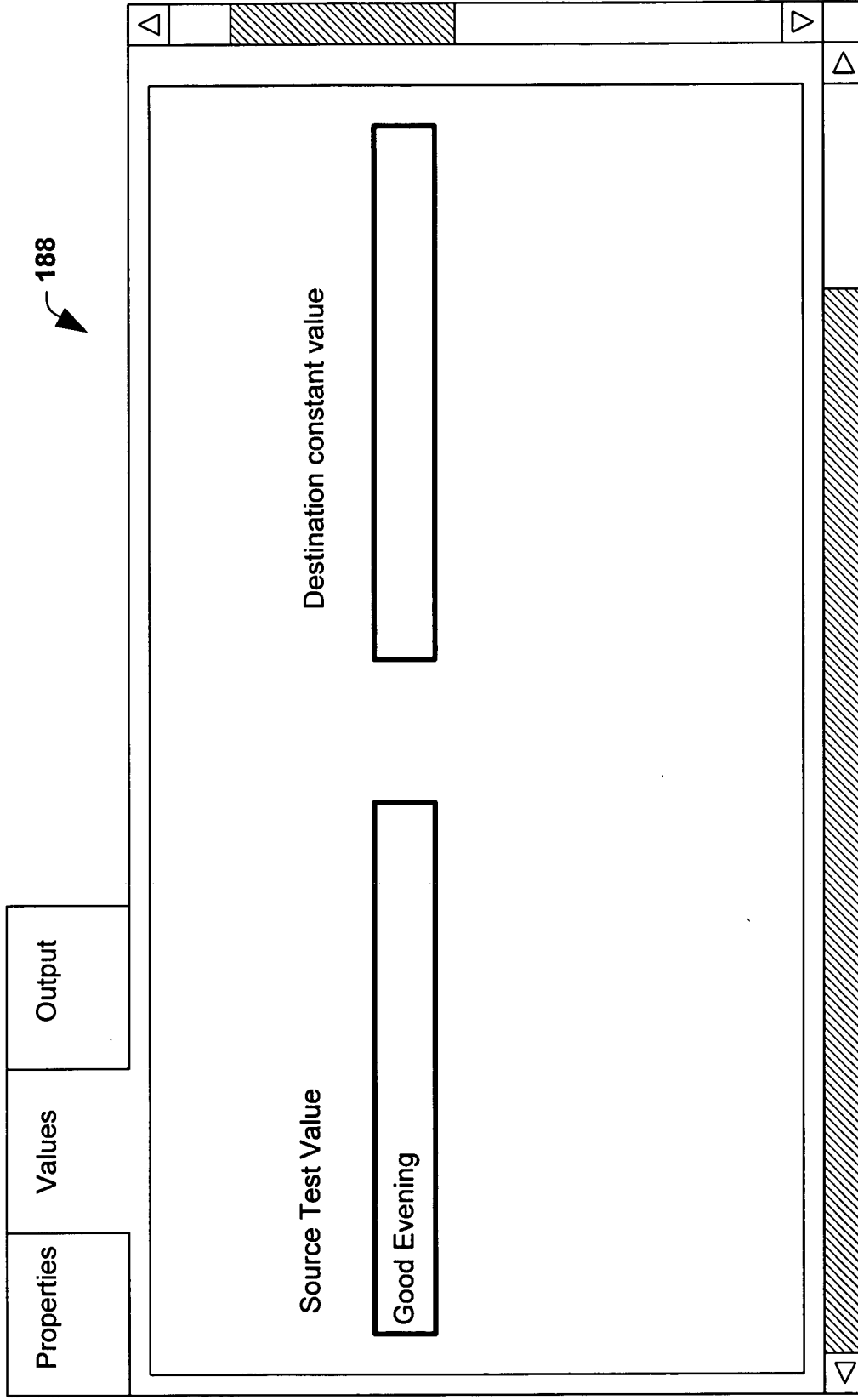


FIG. 12C

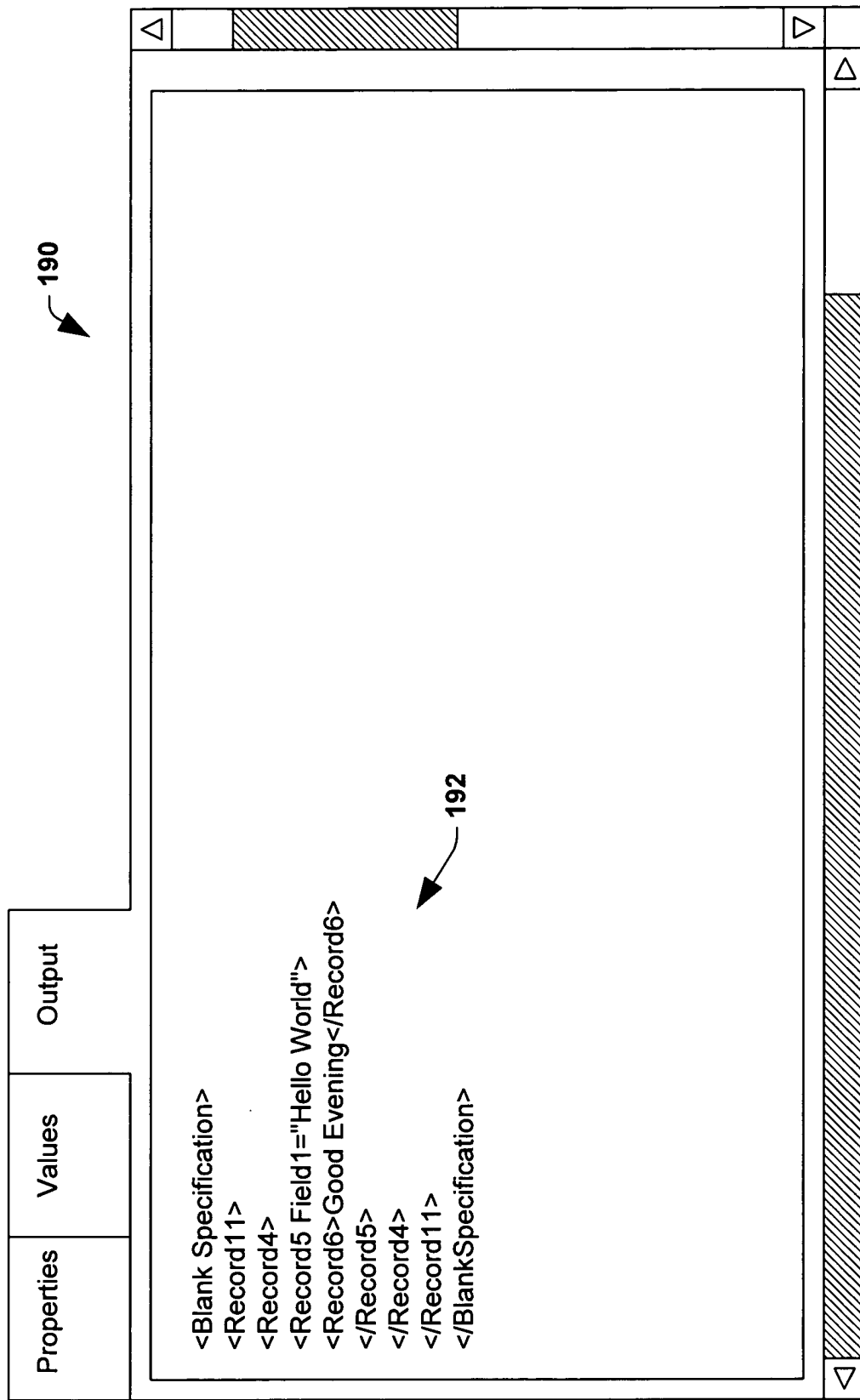


FIG. 12D

200 →

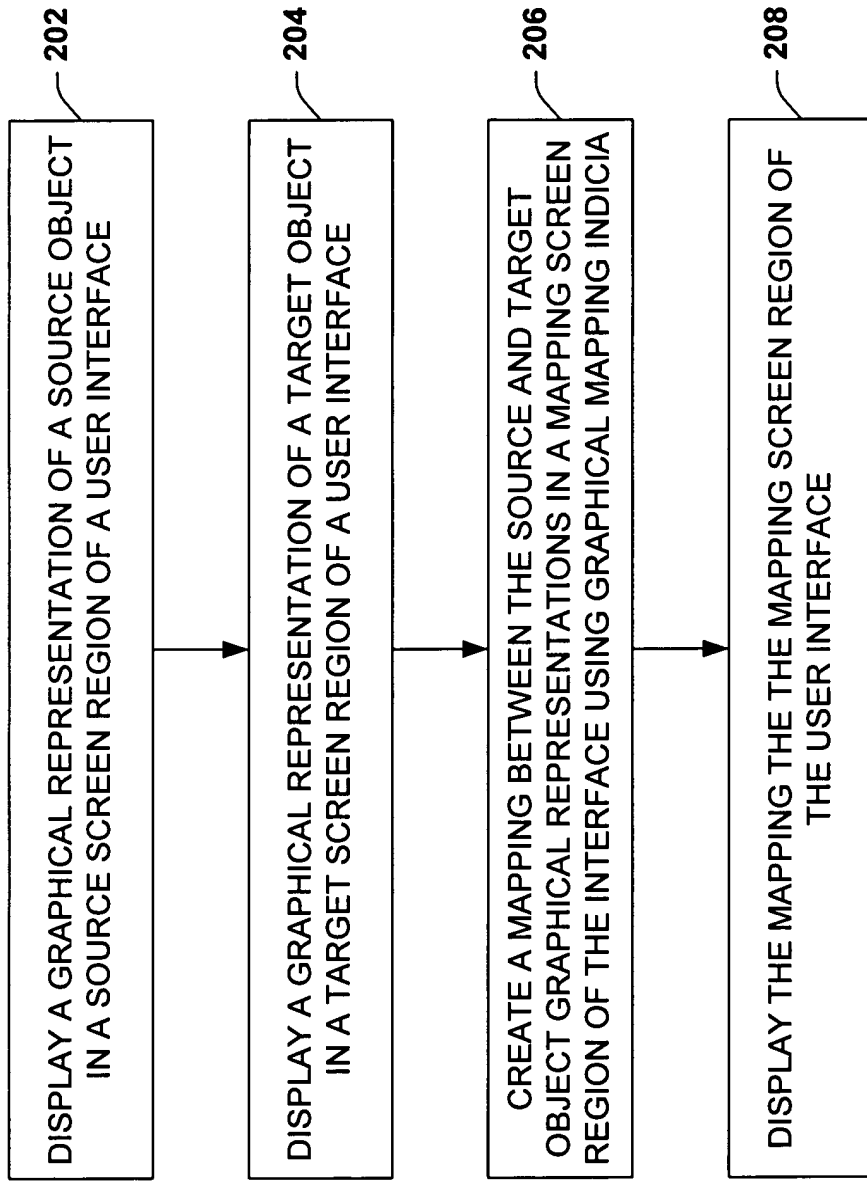


FIG. 13

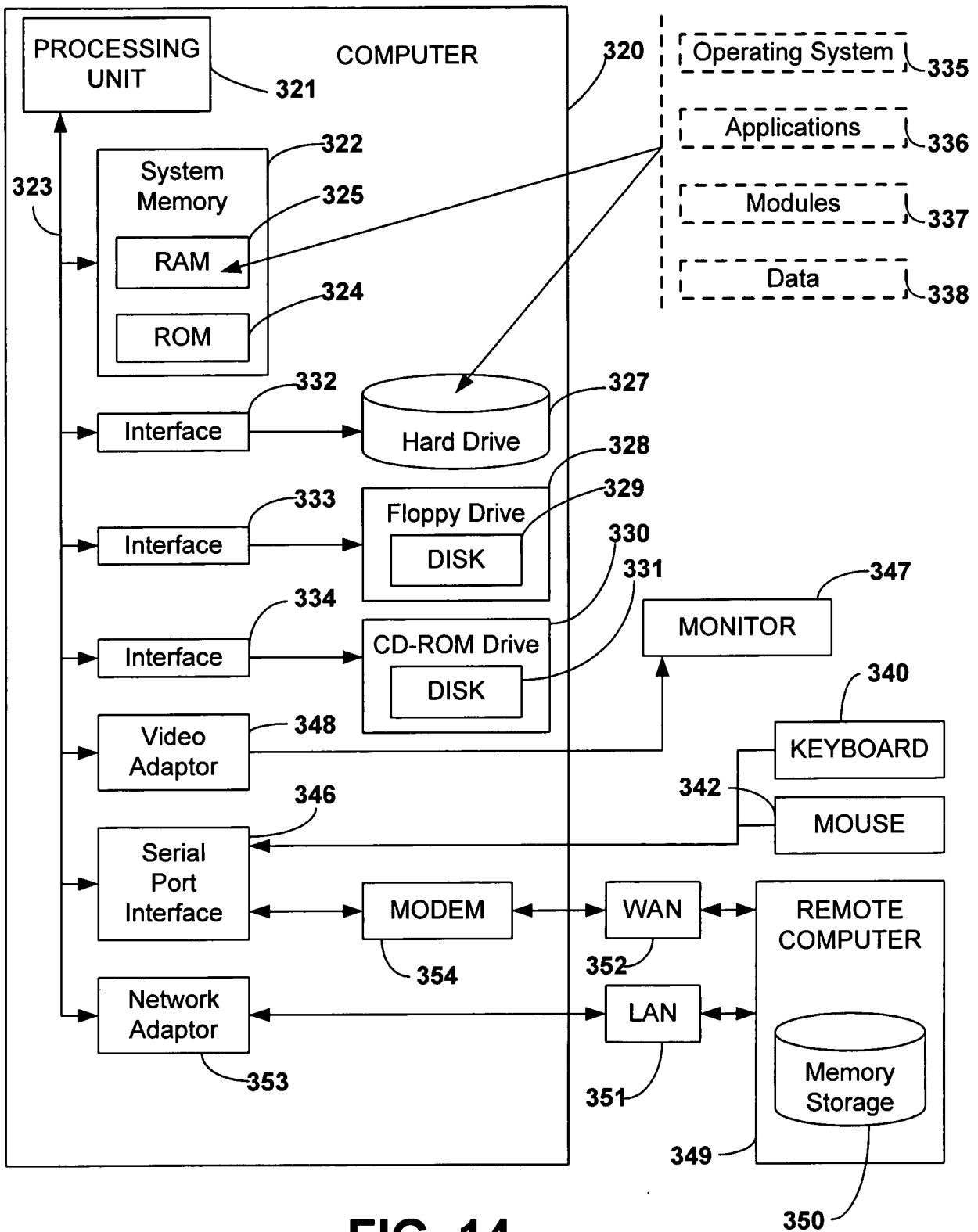


FIG. 14